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#7 Search "pseudomonas cepacia"[Organism] AND "lipase"[All Fields] AND "ps"[All Fields]	12:17:45	<u>2</u>
#6 Search "pseudomonas cepacia"[Organism] AND "lipase"[All Fields]	12:17:13	<u>27</u>
#5 Search "pseudomonas cepacia"[Organism]	12:16:36	<u>581</u>

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☐ 1: [1OILB](#)

Chain B, Structure Of Lipase  
gi|2194041|pdb|1OIL|B[277754]

[BLink](#), [Domains](#), [Links](#)

Check sequence  
revision history

☐ 2: [1OILA](#)

Chain A, Structure Of Lipase  
gi|2194040|pdb|1OIL|A[277753]

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#7 Search "pseudomonas cepacia"[Organism] AND "lipase"[All Fields] AND "ps"[All Fields]	12:17:45	<u>2</u>
#6 Search "pseudomonas cepacia"[Organism] AND "lipase"[All Fields]	12:17:13	<u>27</u>
#5 Search "pseudomonas cepacia"[Organism]	12:16:36	<u>581</u>

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sequences☐ 1: [P41365](#)

Lipase B precursor (CALB)

gi|1170790|sp|P41365|LIPB\_CANAR[4374786]

[BLink](#), [Links](#)Check sequence  
revision history☐ 2: [S47165](#)triacylglycerol lipase (EC 3.1.1.3) B precursor - Candida antarctica  
gi|1085991|pir||S47165[1313622][BLink](#), [Links](#)How to create  
WWW links to  
Entrez☐ 3: [1LBS](#)Chain , Lipase (E.C.3.1.1.3) (Triacylglycerol Hydrolase)  
gi|1311321|pdb|1LBS| [408290][BLink](#), [Links](#)[LinkOut](#)[Cubby](#)☐ 4: [1LBT](#)Chain , Lipase (E.C.3.1.1.3) (Triacylglycerol Hydrolase)  
gi|1311320|pdb|1LBT| [408289][BLink](#), [Links](#)Related  
resources  
[BLAST](#)☐ 5: [1TCCB](#)Chain B, Lipase (E.C.3.1.1.3) (Triacylglycerol Hydrolase)  
gi|576303|pdb|1TCC|B[231456][BLink](#), [Links](#)Reference sequence  
project[LocusLink](#)Clusters of orthologous  
groups☐ 6: [1TCCA](#)Chain A, Lipase (E.C.3.1.1.3) (Triacylglycerol Hydrolase)  
gi|576302|pdb|1TCC|A[231455][BLink](#), [Links](#)Protein reviews on the  
web☐ 7: [1TCBB](#)Chain B, Lipase (E.C.3.1.1.3) (Triacylglycerol Hydrolase)  
gi|576301|pdb|1TCB|B[231454][BLink](#), [Links](#)☐ 8: [1TCBA](#)Chain A, Lipase (E.C.3.1.1.3) (Triacylglycerol Hydrolase)  
gi|576300|pdb|1TCB|A[231453][BLink](#), [Links](#)

☐ **9: 1TCA**[BLink](#), [Links](#)

Chain , Lipase (E.C.3.1.1.3) (Triacylglycerol Hydrolase)  
gi|576299|pdb|1TCA| [231452]

☐ **10: CAA83122**[BLink](#), [Links](#)

lipase B [Candida antarctica]  
gi|515792|emb|CAA83122.1|[73174]

Display	Summary	Show: 20	Send to	Text
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Search

Protein



for

"candida antarctica"[Organism] AND "lipase a"

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Search Summary for lipase names  
09/161680

=> d his

FILE 'REGISTRY' ENTERED AT 12:03:15 ON 01 MAR 2004

L1	0 S (LIPASE (W) PS)/CN
L2	0 S (LIPASE (W) AH)/CN
L3	6 S LIPASE A
<b>L4</b>	<b>1 S LIPASE PS</b>
<b>L5</b>	<b>0 S LIPASE AH</b>
<b>L6</b>	<b>6 S LIPASE A</b>
<b>L7</b>	<b>0 S LIPASE B</b>

=> d

L4 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2004 ACS on STN  
RN 9001-62-1 REGISTRY  
CN Lipase, triacylglycerol (9CI) (CA INDEX NAME)  
OTHER NAMES:  
CN 2212E  
CN Acid lipase  
CN Allzyme Lipase  
CN Altus 13  
CN Altus 2  
CN Amano AP  
CN Amano AY 1  
CN Amano B  
CN Amano CE  
CN Amano CES  
CN Amano LPL 200S  
CN Amano M  
CN Amano N-AP  
CN Amano P  
CN Arthrobacter lipase  
CN Biopraxe OP 10  
CN Butyrylase  
CN Buzyme 2517  
CN C-Lipase  
CN Cacordase  
CN Capalase  
CN Capalase K  
CN Capalase L  
CN Chirazyme 435  
CN Chirazyme C 2  
CN Chirazyme c-f  
CN Chirazyme CHI L-2  
CN Chirazyme L  
CN Chirazyme L 1  
CN Chirazyme L 2  
CN Chirazyme L 2C2  
CN Chirazyme L 3  
CN Chirazyme L 5  
CN Chirazyme L 6  
CN Chirazyme L 7  
CN Chirazyme L 9  
CN Chirazyme L-2 C-1

CN ChiroCLEC-CR  
CN ChiroCLEC-PC  
CN Cleanase NLA-P  
CN CloneZyme ESL 001  
CN Defat 50  
CN DLIP 300  
CN E.C. 3.1.1.3  
CN Enzylon PF  
CN Fetipase  
CN FluoZim G3Kh  
CN GA 56  
CN GA 56 (enzyme)  
CN Glycerol ester hydrolase  
CN Lipase PS  
CN Lipase PS-30  
CN Lipase PS-C  
CN Lipase PS-C Amano II  
CN Lipase PS-CI  
CN Lipase PS-D  
CN Lipase PS-D Amano I

=> d 1-6

L6 ANSWER 1 OF 6 REGISTRY COPYRIGHT 2004 ACS on STN  
RN 616917-16-9 REGISTRY  
CN Lipase, triacylglycerol (Acinetobacter strain SY-01 clone pSYLipSM(1) gene lipA) (9CI) (CA INDEX NAME)

OTHER NAMES:

CN GenBank AAP44577  
CN GenBank AAP44577 (Translated from: GenBank AF518410).  
CN Lipase A (Acinetobacter strain SY-01 clone pSYLipSM(1) gene lipA).  
FS PROTEIN SEQUENCE  
MF Unspecified  
CI MAN  
SR GenBank

L6 ANSWER 2 OF 6 REGISTRY COPYRIGHT 2004 ACS on STN  
RN 525418-32-0 REGISTRY  
CN DNA (Acinetobacter strain SY-01 clone pSYLipSM(1) gene lipA plus gene lipB plus flanks) (9CI) (CA INDEX NAME)

OTHER NAMES:

CN DNA (Acinetobacter strain SY-01 clone pSYLipSM(1) lipase A gene lipA plus lipase-specific chaperone gene lipB plus flanks)  
CN GenBank AF518410  
FS NUCLEIC ACID SEQUENCE  
MF Unspecified  
CI MAN  
SR GenBank

L6 ANSWER 3 OF 6 REGISTRY COPYRIGHT 2004 ACS on STN  
RN 480794-68-1 REGISTRY  
CN Similar to lipase A, lysosomal acid, cholesterol esterase (Wolman disease) (human clone MGC:5229 IMAGE:2900168) (9CI) (CA INDEX NAME)

OTHER NAMES:

CN GenBank AAH12287  
CN GenBank AAH12287 (Translated from: GenBank BC012287)



FS PROTEIN SEQUENCE  
MF Unspecified  
CI MAN  
SR GenBank

L6 ANSWER 4 OF 6 REGISTRY COPYRIGHT 2004 ACS on STN  
RN 351135-53-0 REGISTRY  
CN DNA (human clone MGC:5229 IMAGE:2900168 Similar to lipase A,  
lysosomal acid, cholesterol esterase (Wolman disease) cDNA plus flanks)  
(9CI) (CA INDEX NAME)

OTHER NAMES:

CN GenBank BC012287  
FS NUCLEIC ACID SEQUENCE  
MF Unspecified  
CI MAN  
SR GenBank

L6 ANSWER 5 OF 6 REGISTRY COPYRIGHT 2004 ACS on STN  
RN 150826-34-9 REGISTRY  
CN DNA (Pseudomonas cepacia clone pSJ721 1-363-pretriacylglycerolipase fusion  
protein with Pseudomonas cepacia clone pSJ721 3-344-gene limA  
protein-specifying) (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Deoxyribonucleic acid (Pseudomonas cepacia clone pSJ721  
1-363-pretriacylglycerolipase fusion protein with Pseudomonas cepacia  
clone pSJ721 3-344-gene limA protein-specifying)

OTHER NAMES:

CN Deoxyribonucleic acid (Pseudomonas cepacia clone pSJ721 gene lipA-limA  
fusion fragment)  
CN DNA (Pseudomonas cepacia clone pSJ721 lipase A-Lim fusion gene)  
FS NUCLEIC ACID SEQUENCE  
MF Unspecified  
CI MAN  
SR CA

L6 ANSWER 6 OF 6 REGISTRY COPYRIGHT 2004 ACS on STN  
RN 9001-62-1 REGISTRY  
CN Lipase, triacylglycerol (9CI) (CA INDEX NAME)

OTHER NAMES:

CN 2212E  
CN Acid lipase  
CN Allzyme Lipase  
CN Altus 13  
CN Altus 2  
CN Amano AP  
CN Amano AY 1  
CN Amano B  
CN Amano CE  
CN Amano CES  
CN Amano LPL 200S  
CN Amano M  
CN Amano N-AP  
CN Amano P  
CN Arthrobacter lipase  
CN Biopraxe OP 10  
CN Butyrylase  
CN Buzyme 2517

CN C-Lipase  
CN Cacordase  
CN Capalase  
CN Capalase K  
CN Capalase L  
CN Chirazyme 435  
CN Chirazyme C 2  
CN Chirazyme c-f  
CN Chirazyme CHI L-2  
CN Chirazyme L  
CN Chirazyme L 1  
CN Chirazyme L 2  
CN Chirazyme L 2C2  
CN Chirazyme L 3  
CN Chirazyme L 5  
CN Chirazyme L 6  
CN Chirazyme L 7  
CN Chirazyme L 9  
CN Chirazyme L-2 C-1  
CN ChiroCLEC-CR  
CN ChiroCLEC-PC  
CN Cleanase NLA-P  
CN CloneZyme ESL 001  
CN Defat 50  
CN DLIP 300  
CN E.C. 3.1.1.3  
CN Enzyloñ PF  
CN Fetipase  
CN Fluozim G3Kh  
CN GA 56  
CN GA 56 (enzyme)  
CN Glycerol ester hydrolase  
CN Lipase A

## DBGET Search Result

## Database: LIGAND

Ligand Chemical Database, Combination of COMPOUND, GLYCAN, REACTION and ENZYME  
Release 28.0+/03-01, Mar 04  
Institute for Chemical Research, Kyoto University  
31,110 entries  
10,788 entries for COMPOUND, Chemical Compound Database  
10,114 entries for GLYCAN, Carbohydrate Structure Database  
5,902 entries for REACTION, Chemical Reaction Database  
4,306 entries for ENZYME, Enzyme Nomenclature Database

Keyword(s): acylase (Total 31 hits. / limit=1000)

1. <a href="#">ec:2.3.1.8</a>	phosphate acetyltransferase; phosphotransacetylase; phosphoacylase; PTA
2. <a href="#">ec:2.3.1.13</a>	glycine N-acyltransferase; glycine acyltransferase; glycine-N-acylase
3. <a href="#">ec:2.3.1.15</a>	glycerol-3-phosphate O-acyltransferase; alpha-glycerophosphate acyltransferase; 3-glycerophosphate acyltransferase; ACP:sn-glycerol-3-phosphate acylit
4. <a href="#">ec:2.3.1.23</a>	1-acylglycerophosphocholine O-acyltransferase; lysolecithin acyltransferase; 1-acyl-sn-glycero-3-phosphocholine acyltransferase; acyl coenzyme A-mono
5. <a href="#">ec:2.3.1.38</a>	[acyl-carrier-protein] S-acetyltransferase; acetyl coenzyme A-acyl-carrier-protein transacylase; [acyl-carrier-protein]acetyltransferase; [ACP]acetyl
6. <a href="#">ec:2.3.1.39</a>	[acyl-carrier-protein] S-malonyltransferase; malonyl coenzyme A-acyl carrier protein transacylase; malonyl transacylase; malonyl transferase; malonyl
7. <a href="#">ec:2.3.1.168</a>	dihydrolipoyllysine-residue (2-methylpropanoyl)transferase; dihydrolipoyl transacylase
8. <a href="#">ec:3.1.1.52</a>	phosphatidylinositol deacylase; phosphatidylinositol phospholipase A2; phospholipase A2
9. <a href="#">ec:3.1.2.1</a>	acetyl-CoA hydrolase; acetyl-CoA deacylase; acetyl-CoA acylase; acetyl coenzyme A hydrolase; acetyl coenzyme A deacylase; acetyl coenzyme A acylase;
10. <a href="#">ec:3.1.2.2</a>	palmitoyl-CoA hydrolase; long-chain fatty-acyl-CoA hydrolase; palmitoyl coenzyme A hydrolase; palmitoyl thioesterase; palmitoyl-CoA deacylase; palmit
11. <a href="#">ec:3.1.2.3</a>	succinyl-CoA hydrolase; succinyl-CoA acylase; succinyl coenzyme A hydrolase; succinyl coenzyme A deacylase
12. <a href="#">ec:3.1.2.4</a>	3-hydroxyisobutyryl-CoA hydrolase; 3-hydroxy-isobutyryl CoA hydrolase; HIB CoA deacylase
13. <a href="#">ec:3.1.2.5</a>	hydroxymethylglutaryl-CoA hydrolase; beta-hydroxy-beta-methylglutaryl coenzyme A hydrolase; beta-hydroxy-beta-methylglutaryl coenzyme A deacylase; hy
14. <a href="#">ec:3.1.2.11</a>	acetoacetyl-CoA hydrolase; acetoacetyl coenzyme A hydrolase; acetoacetyl CoA deacylase; acetoacetyl coenzyme A deacylase
15. <a href="#">ec:3.5.1.4</a>	amidase; acylamidase; acylase; amidohydrolase; deaminase; fatty acylamidase; N-acetylaminohydrolase
16. <a href="#">ec:3.5.1.11</a>	penicillin amidase; penicillin acylase; benzylpenicillin acylase; novozym 217; semaclyase; alpha-acylamino-beta-lactam acylhydrolase; ampicillin acyl
17. <a href="#">ec:3.5.1.14</a>	aminoacylase; dehydropeptidase II; histozyme; hippuricase; benzamidase; acylase I; hippurase; amido acid deacylase; L-aminoacylase; acylase; aminoacy
18. <a href="#">ec:3.5.1.15</a>	aspartoacylase; aminoacylase II; N-acetylaspargate amidohydrolase; acetyl-aspartic deaminase; acylase II
19. <a href="#">ec:3.5.1.17</a>	acyl-lysine deacylase; epsilon-lysine acylase
20. <a href="#">ec:3.5.1.18</a>	succinyl-diaminopimelate desuccinylase; N-succinyl-L-alpha,epsilon-diaminopimelic acid deacylase
21. <a href="#">ec:3.5.1.23</a>	ceramidase; acylsphingosine deacylase; glycosphingolipid ceramide deacylase
22. <a href="#">ec:3.5.1.40</a>	acylagmatine amidase; acylagmatine amidohydrolase; acylagmatine deacylase
23. <a href="#">ec:3.5.1.47</a>	N-acetyldiaminopimelate deacylase; N-acetyl-L-diaminopimelic acid deacylase; N-acetyl-LL-diaminopimelate deacylase
24. <a href="#">ec:3.5.1.55</a>	long-chain-fatty-acyl-glutamate deacylase; long-chain aminoacylase; long-chain acylglutamate amidase; N-acyl-D-glutamate deacylase
25. <a href="#">ec:3.5.1.60</a>	N-(long-chain-acyl)ethanolamine deacylase; N-acylethanolamine amidohydrolase; acylethanolamine amidase
26. <a href="#">ec:3.5.1.69</a>	glycosphingolipid deacylase; glycosphingolipid ceramide deacylase
27. <a href="#">ec:3.5.1.70</a>	aculeacin-A deacylase; aculeacin A acylase
28. <a href="#">ec:3.5.1.71</a>	N-feruloylglycine deacylase; N-feruloylglycine hydrolase
29. <a href="#">ec:3.5.1.81</a>	N-acyl-D-amino-acid deacylase
30. <a href="#">ec:3.5.1.82</a>	N-acyl-D-glutamate deacylase
31. <a href="#">ec:3.5.1.83</a>	N-acyl-D-aspartate deacylase

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